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<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence after initial filing)</i>	Application No.	10/816,264	
	Filing Date	March 31, 2004	
	First Named Inventor	Issy Kipnis	
	Art Unit	2826	
	Examiner Name	Victor A. Mandala	
Total Number of Pages in This Submission	10	Attorney Docket Number	42P17422

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Response <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input checked="" type="checkbox"/> PTO/SB/08 <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Basic Filing Fee <input type="checkbox"/> Declaration/POA <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): <div style="border: 1px solid black; padding: 5px; margin-top: 5px;">* Check for \$180 * Cited References (12) * Return Receipt Postcard</div>
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Vincent H. Anderson, Reg. No. 54,962 BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
Signature	
Date	3/27/06

CERTIFICATE OF MAILING/TRANSMISSION			
I hereby certify that this correspondence is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.			
Typed or printed name	Theresa Belland		
Signature		Date	3/27/06



# FEE TRANSMITTAL for FY 2005

Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27.

TOTAL AMOUNT OF PAYMENT (\$) 180.00

## Complete if Known

Application Number	10/816,264
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Examiner Name	Victor A. Mandala
Art Unit	2826
Attorney Docket No.	42P17422

## METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_

☒ Deposit Account Deposit Account Number: 02-2666 Deposit Account Name: Blakely, Sokoloff, Taylor & Zafman LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below

☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or underpayment of fee(s) under 37 CFR §§ 1.16, 1.17, 1.18 and 1.20. ☒ Credit any overpayments

## FEE CALCULATION

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.	
2053	130	2053	130	Non-English specification	
1251	120	2251	60	Extension for reply within first month	
1252	450	2252	225	Extension for reply within second month	
1253	1,020	2253	510	Extension for reply within third month	
1254	1,590	2254	795	Extension for reply within fourth month	
1255	2,160	2255	1,080	Extension for reply within fifth month	
1401	500	2401	250	Notice of Appeal	
1402	500	2402	250	Filing a brief in support of an appeal	
1403	1,000	2403	500	Request for oral hearing	
1451	1,510	2451	1,510	Petition to institute a public use proceeding	
1460	130	2460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	180.00
1809	790	1809	395	Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	790	2810	395	For each additional invention to be examined (37 CFR § 1.129(b))	
Other fee (specify) _____					
SUBTOTAL (2) (\$)					180.00

## SUBMITTED BY

Complete (if applicable)

Name (Print/Type)	Vincent H. Anderson	Registration No. (Attorney/Agent)	54,962	Telephone	(503) 439-8778
Signature		Date	3/27/06		



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of:

ISSY KIPNIS, ET AL.

Application No.: 10/816,264

Filed: March 31, 2004

For: SEMICONDUCTOR SUBSTRATE WITH  
INTERCONNECTIONS AND EMBEDDED CIRCUIT  
ELEMENTS

Art Group: 2826

Examiner: Victor A. Mandala

**INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure, enclosed is a copy of Information Disclosure Statement by Applicant (form PTO/SB/08), which is being submitted before the mailing of a final Office Action. It is respectfully requested that the cited references be considered and that the enclosed copy of PTO/SB/08 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

03/29/2006 EAREGAY1 00000078 10816264

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The references were cited in a Search Report dated December 20, 2005 (copy enclosed herewith) in a counterpart PCT application.

The submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made in the subject application and is not to be construed as an admission that the information cited in this statement is material to patentability.

The fee set in the amount of \$180.00 for submission of the Information Disclosure Statement is enclosed herewith. Please charge any additional fees due to Deposit Account 02-2666. A duplicate copy of the Fee Transmittal (PTO/SB/17) is enclosed for this purpose.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Date: 3/27/06

Vincent H. Anderson  
Vincent H. Anderson, Reg. No. 54,962

12400 Wilshire Boulevard, 7th Floor  
Los Angeles, CA 90025  
Telephone: (503) 439-8778

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Theresa Belland 3/27/06  
Theresa Belland Date



Institute for form 1449A/PTO		<b>Complete if Known</b>			
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>		Application Number	10/816,264		
		Filing Date	March 31, 2004		
		First Named Inventor	Issy Kipnis		
		Art Unit	2826		
		Examiner Name	Victor A. Mandala		
Sheet	1	of	3	Attorney Docket Number	42P17422

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.†	Document Number	Publication Date Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code² (if known)			
		US-5,446,309	08-29-1995	Adachi et al.	
		US-6,274,937 B1	08-14-2001	Ahn et al.	
		US-6,529,093 B2	03-04-2003	Ma	
		US-6,531,668 B1	03-11-2003	Ma	
		US-6,573,822 B2	06-03-2003	Ma et al.	
		US-6,822,535 B2	11-23-2004	Ma et al.	
		US-6,850,133 B2	02-01-2005	Ma	
		US-6,880,235 B2	04-19-2005	Ma	
		US-6,933,808 B2	08-23-2005	Ma et al.	
		US-6,972,650 B2	12-06-2005	Ma	
		US-2003/0045044 A1	03-06-2003	Dentry et al.	
		US-2005/0030128	02-10-2005	Ma et al.	
		US-2005/0122001	06-09-2005	Ma et al.	
		US-2005/0134413	06-23-2005	Bar et al.	
		US-2005/0140468	06-30-2005	Wang	
		US-			
		US-			
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		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.†	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T*
		Country Code² - Number - Kind Code² (if known)				
		WO 00/39853	07-06-2000	Infineon Technologies		
		WO 2005/000733 A2	01-06-2005	Commissariat a L'Energie Atomique		
		WO 2005/000733 A3	01-06-2005	Commissariat a L'Energie Atomique		

Examiner Signature	Date Considered
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\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

†Applicant's unique citation designation number (optional); See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04; Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3); For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ‡Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible; Applicant is to place a check mark here if English language Translation is attached.

Based on PTO/SB/08A (08-03) as modified by Blakely, Solokoff, Taylor & Zafman (wtr) 08/11/2003.

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

Sheet 2 of 3

**Complete if Known**

Application Number	10/816,264
Filing Date	March 31, 2004
First Named Inventor	Issy Kipnis
Art Unit	2826
Examiner Name	Victor A. Mandala
Attorney Docket Number	42P17422

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No.†	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
		ELECTRONICSWEEKLY.COM, "3GSM: First Silicon GPRS Radio Front End From Phillips:, February 23, 2004, 2 pages.	
		SEARCHNETWORKING.COM, "Balun", 3 pages.	
		DALLAS SEMICONDUCTOR MAXIM, "Silicon Germanium (SiGe) Technology Enhances Radio Front-End Performance", March 15, 2000, 7 pages.	
		JONG-SOO LEE, "MCM Technology for RF Tunable Band Pass Filters Implemented by Integration of GaAs FETs and Selectively Oxidized Porous Silicon (SOPS)", <i>IEEE 2000 Proceedings 50th Electronic Components and Technology Conference</i> , May 21-24, 2000, Las Vegas, NV, pg. 426-431, XP-001054602.	
		ROBERT AIGNER, "RF-MEMS Filters Manufactured on Silicon: Key Facts About Bulk-Acoustic-Wave Technology", <i>2003 Topical Meeting on Silicon Monolithic Integrated Circuits in RF Systems</i> , Digest of Papers (Cat. No. 03EX668), 2003, pg. 157-161, XP-002356308.	
		LINDA P.B. KATEHI, "MEMS and Si Micromachined Circuits for High-Frequency Applications", <i>IEEE Transactions on Microwave Theory and Techniques</i> , Vol. 50, No. 3, March 2002, pg. 858-866, XP-001102280.	
		CLARK T-C NGUYEN, "Communications Applications of Microelectromechanical Systems", <i>Proceedings 1998 Sensors Expo</i> , May 19-21, 1998, San Jose, CA, pg. 447-455, XP-002190275.	

Examiner Signature	Date Considered
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\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

†Applicant's unique citation designation number.²Applicant is to place a check mark here if English language Translation is attached.

Based on PTO/SB/08B (08-03) as modified by Blakely, Solokoff, Taylor & Zafman (wlr) 08/11/2003.  
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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

Sheet 3 of 3

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Application Number	10/816,264
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Attorney Docket Number	42P17422

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No.¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
		PCT INTERNATIONAL SEARCH REPORT, PCT Application No. PCT/US2005/010134, filed March 25, 2005, 13 pages.	

Examiner Signature	Date Considered
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\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

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